

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 June 2004 (17.06.2004)

PCT

(10) International Publication Number
WO 2004/050702 A2

(51) International Patent Classification⁷: **C07K 14/57**

(74) Agent: **SERONO INTERNATIONAL S.A. INTELLECTUAL PROPERTY**; 12, Chemin des Aulx, CH-1228 Plan-les-Ouates (CH).

(21) International Application Number:
PCT/EP2003/050939

(22) International Filing Date: 3 December 2003 (03.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02102678.6 4 December 2002 (04.12.2002) EP

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (*for all designated States except US*): **APPLIED RESEARCH SYSTEMS ARS HOLDING N.V.** [NL/NL]; Pietermaai 15, Curacao (AN).

(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **IBBERSON, Mark** [GB/CH]; Chemin Planet 4, CH-1188 Gimel (CH). **FEGER, Georg** [DE/FR]; 91, rue des Tourterelles, F-01710 Thoiry (FR). **POWER, Christine** [GB/FR]; 10, rue des Jonquilles, F-01710 Thoiry (FR). **YORKE-SMITH, Melanie** [GB/CH]; Chemin de Vuillonex 20a, CH-1232 Confignon (CH).

Published:

— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **NOVEL IFNGAMMA-LIKE POLYPEPTIDES**

(57) Abstract: The present invention discloses novel open reading frames (ORFs) in human genome encoding for ORFs characterized for polypeptides having at least one activity of human Interferon gamma, and reagents related thereto including variants and fragments of said polypeptides, as well as the encoding nucleic acids and ligands directed against them. The invention provides methods for identifying and preparing these molecules, for manufacturing pharmaceutical compositions containing them, and for using them in the diagnosis, prevention and treatment of diseases.

WO 2004/050702 A2